

PMC-EF2a

(20402)

**U.S. DEPARTMENT OF ENERGY
EERE PROJECT MANAGEMENT CENTER
NEPA DETERMINATION**



RECIPIENT: Missouri DNR, Division of Energy

STATE: MO

PROJECT TITLE : MO - IEEP: Bodine Aluminum Inc. - Thermal Oxidizer Replacement

Funding Opportunity Announcement Number	Procurement Instrument Number	NEPA Control Number	CID Number
DE-FOA-000052	EE0000131	GFO-0000131-018	EE131

Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Order 451.1A), I have made the following determination:

CX, EA, EIS APPENDIX AND NUMBER:

Description:

B5.1 Actions to conserve energy, demonstrate potential energy conservation, and promote energy-efficiency that do not increase the indoor concentrations of potentially harmful substances. These actions may involve financial and technical assistance to individuals (such as builders, owners, consultants, designers), organizations (such as utilities), and state and local governments. Covered actions include, but are not limited to: programmed lowering of thermostat settings, placement of timers on hot water heaters, installation of solar hot water systems, installation of efficient lighting, improvements in generator efficiency and appliance efficiency ratings, development of energy-efficient manufacturing or industrial practices, and small-scale conservation and renewable energy research and development and pilot projects. The actions could involve building renovations or new structures in commercial, residential, agricultural, or industrial sectors. These actions do not include rulemakings, standard-settings, or proposed DOE legislation.

Rational for determination:

Missouri DNR, Division of Energy's sub-recipient Bodine Aluminum Inc. proposes to use \$750,000 of SEP ARRA funds to replace the existing Thermal Oxidizer system with a larger, more efficient Regenerative Thermal Oxidizer system. The new system is expected to save 11,474 MMBTU's and abate Volatile Organic Compounds (VOC) and odors. No building modifications would be required with the replacement/installation of the new oxidizer because the proposed project would be utilizing existing holes and piping.

The installation of the new Regenerative Thermal Oxidizer would have no adverse impacts to floodplains, wetlands, and endangered species, as this project entails internal activities at an existing facility.

Air permit modification was submitted on March 15, 2011 to the Missouri DNR Air Division. Emissions (VOCs) associated with this project would be reduced by 3,460 lbs per year. At the maximum permitted level, VOCs would be reduced by 17,900 lbs per year.

Waste materials associated with this project would be taken to a licensed landfill and recycle facility.

The Missouri Department of Natural Resources, State Historic Preservation Office (SHPO) performed a cultural resource assessment. In a letter dated 6.27.2011, Deputy SHPO Mark Miles determined no historic properties would be affected by the proposed project.

In view of the information provided by the recipient, DOE has determined that the impacts related to the proposed project are anticipated to have negligible effects on the human and natural environment. The proposed project is consistent with actions outlined in B5.1, "actions to conserve energy," and is, therefore, categorically excluded from further NEPA review.

NEPA PROVISION

DOE has made a final NEPA determination for this award

Insert the following language in the award:

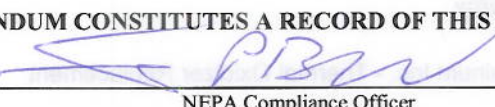
Note to Specialist :

Eugene Brown and Cristina Tyler 7.1.2011

Funding Requested: \$750,000
Funds Leveraged: \$460,000
Total Project Costs: \$1,210,000

SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.

NEPA Compliance Officer Signature:



NEPA Compliance Officer

Date:

7/1/11

FIELD OFFICE MANAGER DETERMINATION

Field Office Manager review required

NCO REQUESTS THE FIELD OFFICE MANAGER REVIEW FOR THE FOLLOWING REASON:

- Proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- Proposed action falls within an EA or EIS category and therefore requires Field Office Manager's review and determination.

BASED ON MY REVIEW I CONCUR WITH THE DETERMINATION OF THE NCO :

Field Office Manager's Signature:

Field Office Manager

Date:
